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American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 For Week Ended December 23, 1983 NO. 51

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 12/23/83	Last Week Ending: 12/16/83	Last Year Week Ending: 12/24/82	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units	11,795	11,747	11,760	48	35
Operable capacity	16,309	16,309	16,663	0	-354
Percent operated	72.3	72.0	70.6		
Motor Gasoline					
Total motor gasoline production	6,445	6,480	6,403	-35	42
Finished leaded motor gasoline production	2,794	2,695	N/A	99	N/A
Finished unleaded motor gasoline production	3,651	3,785	N/A	-134	N/A
Total motor gasoline stocks	237,780	237,249	235,554	531	2,226
Finished leaded motor gasoline stocks	98,165	96,252	N/A	1,913	N/A
Finished unleaded motor gasoline stocks	100,070	102,233	96,689	-2,163	3,381
Distillate Fuel Oil					
Distillate fuel oil production	2,673	2,643	2,573	30	100
Distillate fuel oil stocks	159,909	160,441	180,850	-532	-20,941
Residual Fuel Oil					
Residual fuel oil production	737	921	1,055	-184	-318
Residual fuel oil stocks	51,640	54,051	64,227	-2,411	-12,587
Imports					
Crude oil imports	3,565	3,113	2,634	452	931
Product imports	1,492	1,382	1,174	110	318
Crude Oil Stocks					
Crude oil stocks	350,594	351,292	353,529	-698	-2,935

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949

NA-Not Available

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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	897	830	841	1,229	68.4
Appal. No. 1	85	81	81	177	45.8
DISTRICT 1 TOTAL	982	911	922	1,406	65.6
Appal. No. 2	58	56	58	66	87.9
Ind., Ill., Ky.	1,873*	1,727*	1,801*	2,345	76.8*
Minn., Wis., Daks.	297	286	298	296	100.7
Okla., Kans., Mo.	621	562	566	827	68.4
DISTRICT 2 TOTAL	2,849*	2,631*	2,723*	3,534	77.1*
Inland Texas	595	450	457	585	78.1
Texas Gulf Coast	3,197	2,819	2,923	3,907	74.8
La. Gulf Coast	2,138	1,917	1,942	2,890	67.2
N. La. and Ark.	193	178	178	286	62.2
New Mexico	98	79	79	105	75.2
DISTRICT 3 TOTAL	6,221	5,443	5,579	7,773	71.8
DISTRICT 4 TOTAL	419	404	408	536	76.1
DISTRICT 5 TOTAL	2,270	2,165	2,163	3,060	70.7
TOTAL U.S.	12,741	11,554	11,795	16,309	72.3
TOTAL U.S.					
Weeks Ended:					
DEC. 16, 1983	12,719*	11,5[illegible]9*	11,747*	16,309	72.0*
DEC. 24, 1982	12,594	11,3[illegible]9	11,760	16,663	70.6
DISTRICTS 1-4					
Weeks Ended:					
DEC. 23, 1983	10,471	9,389	9,632	13,249	72.7
DEC. 16, 1983	10,412*	9,450*	9,681*	13,249	73.1*
DEC. 24, 1982	10,372	9,331	9,671	13,580	71.2

* See revisions on page 7.

API WEEKLY STATISTICAL BULLETIN
Week Ended December 23, 1983

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline		Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	517	222	295	27	29	276	58
Appal. No. 1	45	26	19	2	--	23	5
DISTRICT 1 TOTAL	562	248	314	29	29	299	63
Appal. No. 2	39	19	20	3	--	15	1
Ind., Ill., Ky.	1,199	506	693	6	79	413	48
Minn., Wis., Daks.	180	88	92	5	11	88	9
Okla., Kans., Mo.	353	201	152	12	17	162	7
DISTRICT 2 TOTAL	1,771	814	957	26	107	678	65
Inland Texas	345	179	166	16	26	104	17
Texas Gulf Coast	1,431	531	900	67	176	643	176
La. Gulf Coast	1,039	439	600	17	217	386	72
N. La. and Ark.	57	20	37	7	--	64	9
New Mexico	35	19	16	16	1	28	2
DISTRICT 3 TOTAL	2,907	1,188	1,719	123	420	1,225	276
DISTRICT 4 TOTAL	228	141	87	11	10	133	11
DISTRICT 5 TOTAL	977	403	574	98	228	338	322
TOTAL U.S.	6,445	2,794	3,651	287	794	2,673	737
TOTAL U.S. Weeks Ended:							
DEC. 16, 1983	6,480	2,695	3,785	250	841	2,643	921
DEC. 24, 1982	6,403	N/A	N/A	166	738	2,573	1,055
DISTRICTS 1-4 Weeks Ended:							
DEC. 23, 1983	5,468	2,391	3,077	189	566	2,335	415
DEC. 16, 1983	5,489	2,293	3,196	172	625	2,264	531
DEC. 24, 1982	5,340	N/A	N/A	130	517	2,210	678

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.
[2]Includes Grade No. 4 fuel oil.

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended December 23, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline			Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,950	2,902	3,048	--	79	511	12,173	1,991	--
Central Atlantic	31,772	12,146	15,834	3,792	455	5,500	41,062	21,125	12,723
Lower Atlantic	27,794	14,573	13,007	214	198	4,256	15,890	3,427	558
DISTRICT 1 TOTAL	65,516	29,621	31,889	4,006	732	10,267	69,125	26,543	13,281
DISTRICT 2 TOTAL	68,168*	31,244	29,363*	7,561	1,662	7,333	43,303	3,387	16,752
DISTRICT 3 TOTAL	69,826	24,583	26,542	18,701	2,804	12,842*	33,236	12,876	45,640
DISTRICT 4 TOTAL	7,406	3,179	2,117	2,110	412	544	2,875	365	2,610
DISTRICT 5 TOTAL	26,864	9,538	10,159	7,167	1,635	5,635	11,370	8,469	25,499
TOTAL U.S.	237,780	98,165	100,070	39,545	7,245	36,621	159,909	51,640	103,782
TOTAL U.S.									
Weeks Ended:									
DEC. 16, 1983	237,249*	96,252	102,233*	38,764	7,042	37,248*	160,441	54,051	104,211
DEC. 24, 1982	235,554	N/A	96,689	N/A	5,974	32,296	180,850	64,227	104,360
DISTRICTS 1-4									
Weeks Ended:									
DEC. 23, 1983	210,916	88,627	89,911	32,378	5,610	30,986	148,539	43,171	78,283
DEC. 16, 1983	210,504*	87,059	91,755*	31,690	5,311	31,725*	149,200	44,616	79,242
DEC. 24, 1982	207,099	N/A	86,535	N/A	4,572	26,621	169,494	55,417	79,260

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

NA-Not Available

* See revisions on page 7.

WEEKLY STATISTICAL BULLETIN
Week Ended December 23, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy Aug. 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	---------- Daily Average ----------				
DISTRICTS 1-4 TOTAL					
DEC. 23, 1983	5,798.5	5,819.0	3,206	176	270,187
DEC. 16, 1983	5,798.5	--	3,103	343	267,873
DEC. 9, 1983	5,798.5	--	2,947	261	267,827
DEC. 2, 1983	5,805.5	--	3,286	384	262,950
DISTRICT 5 TOTAL					
DEC. 23, 1983	2,817.9	2,811.0	359	7	80,407 ♦
DEC. 16, 1983	2,817.9	--	10	7	83,419
DEC. 9, 1983	2,817.9	--	227	--	87,564
DEC. 2, 1983	2,829.2	--	136	7	84,864
TOTAL U.S.					
DEC. 23, 1983	8,616.4	8,630.0	3,565	183	350,594 ♦
DEC. 16, 1983	8,616.4	--	3,113	350	351,292
DEC. 9, 1983	8,616.4	--	3,174	261	355,391
DEC. 2, 1983	8,634.7	--	3,422	391	347,814
DEC. 24, 1982	8,601.0/A	--	2,634	204	353,529

♦INCLUDES 26,253 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

/A - DOE actual for December 1982.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1–4	District 5	Total U.S.
Weeks Ended:							
DEC. 23, 1983	17,912	76,423	162,104	13,748	270,187	80,407 ♦	350,594 ♦
DEC. 16, 1983	15,676	75,809	162,635	13,753	267,873	83,419	351,292
DEC. 24, 1982	18,783	76,235	165,098	13,008	273,124	80,405	353,529

[1]See definitional notes, Page 6.

API WEEKLY STATISTICAL BULLETIN
Week Ended December 23, 1983

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	--	--	--	--	--	--	136	11	--	--	147
Central Atlantic	194	80	114	--	25	120	323	--	4	83	749
Lower Atlantic	51	27	24	--	--	62	44	--	--	--	157
DISTRICT 1 TOTAL											
DEC. 23, 1983	245	107	138	--	25	182	503	11	4	83	1,053
DEC. 16, 1983	196	113	83	--	24	199	485	8	31	13	956
DEC. 9, 1983	216	115	101	--	--	167	619	10	18	59	1,089
DEC. 2, 1983	184	95	89	--	10	312	675	10	92	7	1,290
DISTRICTS 2-4 TOTAL											
DEC. 23, 1983	8	6	2	--	--	23	49	209	84	--	373
DEC. 16, 1983	16	11	5	--	--	20	44	169	36	81	366
DEC. 9, 1983	--	--	--	--	--	24	60	177	33	10	304
DEC. 2, 1983	10	8	2	--	4	24	66	205	72	18	399
DISTRICT 5 TOTAL											
DEC. 23, 1983	17	7	10	--	3	3	13	16	--	14	66
DEC. 16, 1983	17	6	11	--	3	3	10	15	--	12	60
DEC. 9, 1983	10	2	8	--	--	2	12	15	--	21	60
DEC. 2, 1983	24	13	11	--	3	3	13	10	--	17	70
TOTAL U.S.	270	120	150	--	28	208	565	236	88	97	1,492
TOTAL U.S. Weeks Ended:											
DEC. 16, 1983	229	130	99	--	27	222	539	192	67	106	1,382
DEC. 9, 1983	226	117	109	--	--	193	691	202	51	90	1,453
DEC. 2, 1983	218	116	102	--	17	339	754	225	164	42	1,759
DEC. 24, 1982	210	N/A	63	8	10	74	491	231	58	92	1,179

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

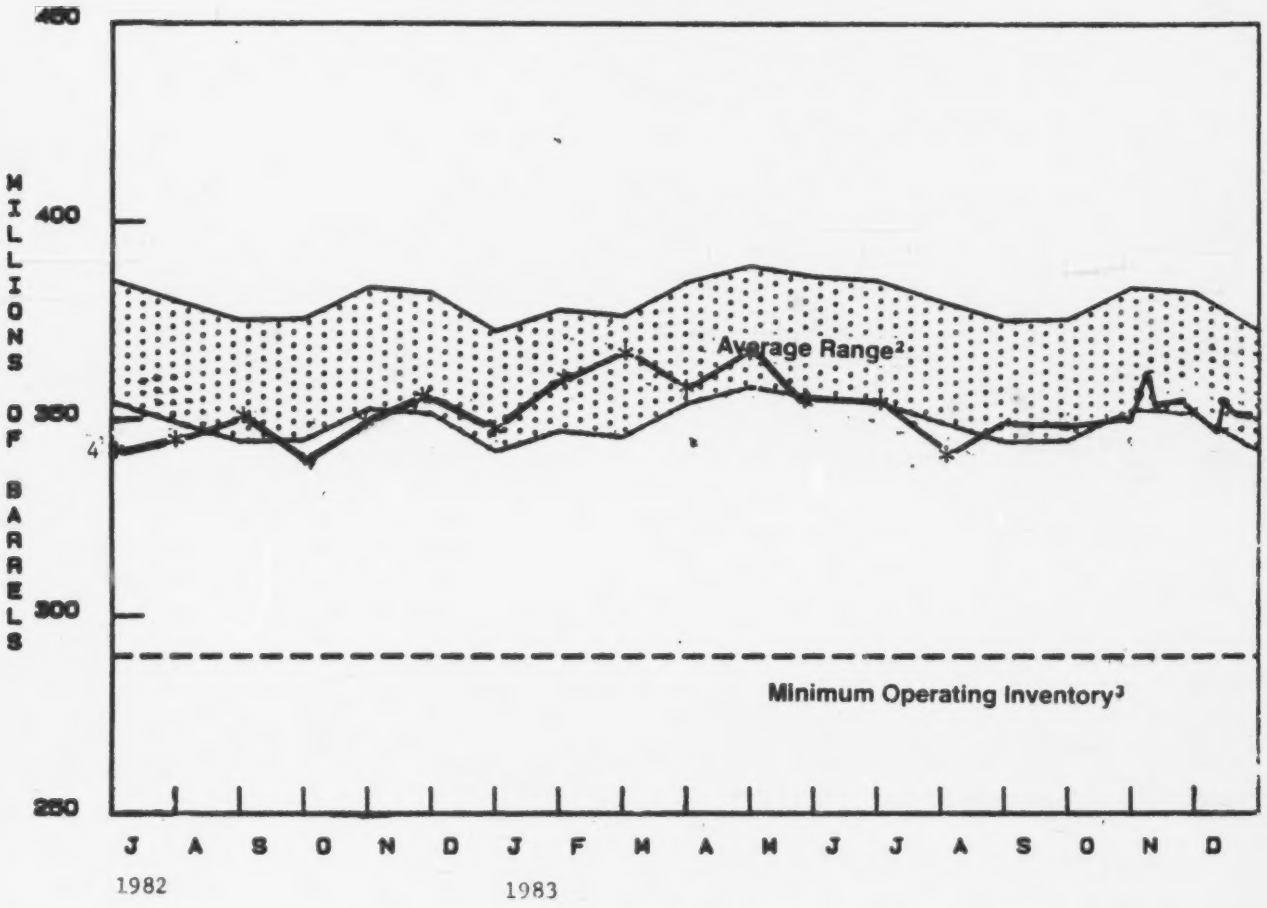
Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

API STATISTICAL BULLETIN
WEEK ENDED: DEC. 23, 1983

REVISIONS

12/16/83	PAGE 1	TOTAL REFINERY INPUT	IND., ILL., KY	1,885
			DISTRICT 2 TOTAL	2,887
			TOTAL U.S.	12,719
			DISTRICTS 1-4	10,412
		CRUDE OIL RUNS	IND., ILL., KY	1,784
			DISTRICT 2 TOTAL	2,703
			TOTAL U.S.	11,509
			DISTRICTS 1-4	9,450
		INPUT TO CRUDE OIL	IND., ILL., KY	1,830
			DISTRICT 2 TOTAL	2,770
			TOTAL U.S.	11,747
			DISTRICTS 1-4	9,681
		% OPERABLE	IND., ILL., KY	78.0
			DISTRICT 2 TOTAL	78.4
			TOTAL U.S.	72.0
			DISTRICTS 1-4	73.1
	PAGE 3	TOTAL MGAS	DISTRICT 2 TOTAL	67,910
			TOTAL U.S.	237,249
			DISTRICTS 1-4	210,504
		UNLEADED MGAS	DISTRICT 2 TOTAL	30,271
			TOTAL U.S.	102,233
			DISTRICTS 1-4	91,755
		KEROSINE JET	DISTRICT 3 TOTAL	12,880
			TOTAL U.S.	37,248
			DISTRICTS 1-4	31,725

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

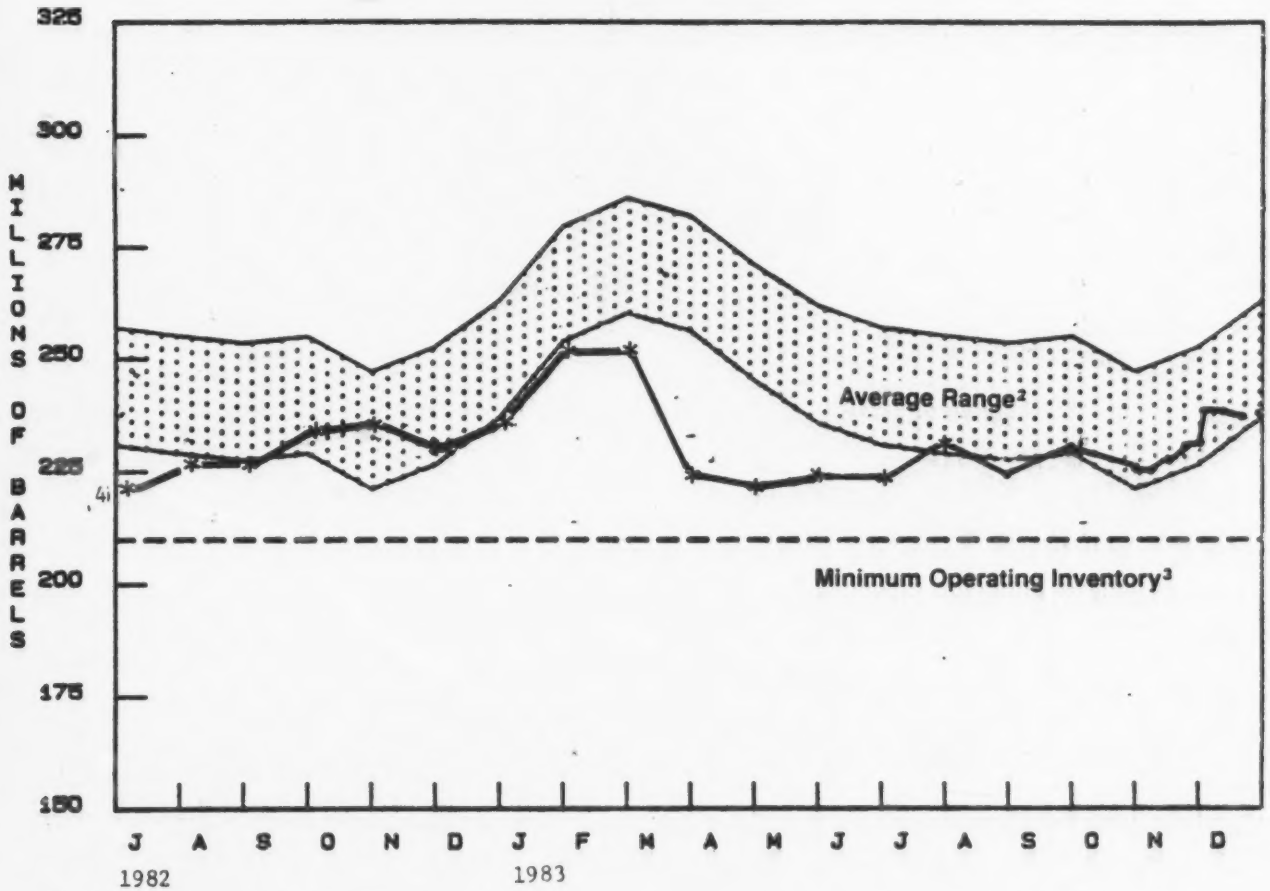
[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

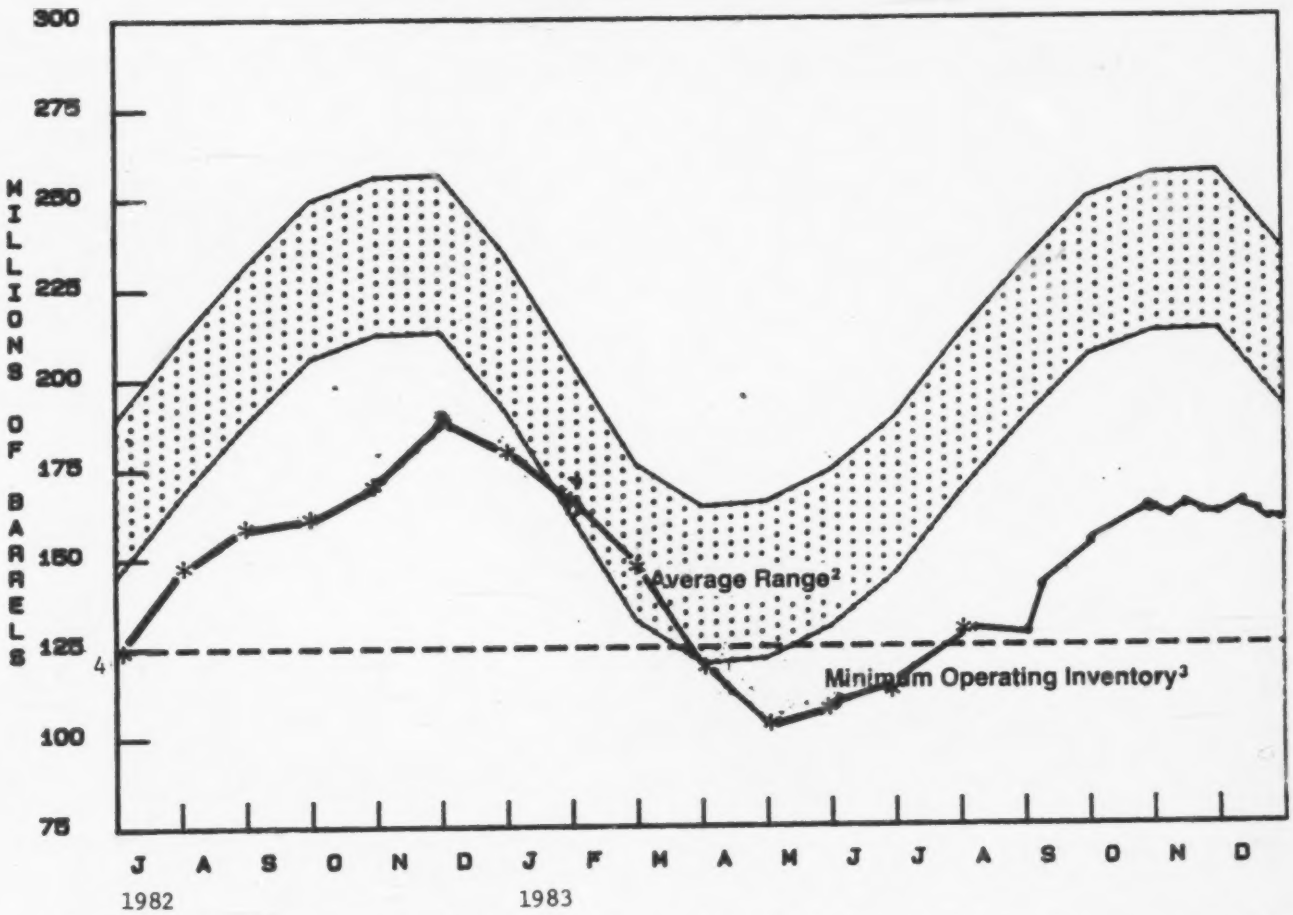
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•-- API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating unit and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.